Synology

DiskStation DS409slim

Green, Quiet, and Reliable 4-bay 2.5" HDD NAS Server for Home to Small Office

Key Features

- Basic, JBOD, RAID 0/1/5/6, RAID 5+Spare Support
- Cool and Quiet
- Power-Saving (12W~19W)

Shipped with DiskStation Manager 2.3 that provides:

- AJAX-Based Management Interface
- BT/FTP/HTTP/eMule/NZB Download without PC
- Music Sharing to other iTunes clients over the network
- Music, Internet Radio, and iPod playback to USB Speakers
- Internet Photo+Video+Blog Sharing
- Sony PS3 and Microsoft Xbox360 Supported

And more...

Synology DiskStation DS409slim is designed to provide users with a budget-friendly solution for easy file sharing and backup. The snap-in 2.5" hard drive design brings low power consumption, quiet operation, reliability and easy disk replacement in a compact design. Its sophisticated software, Synology DiskStation Manager 2.3, delivers ease of use and variety of features.

Green, Quiet, and Reliable

The DS409slim is designed to work with 2.5" hard drives. The low power consumption characteristic of 2.5" hard drives will lower your electricity bill, as well as reduce your carbon footprint.

The smart fan design keeps the DS409slim's fan off under normal operations and spinning up at a very low speed only when needed, thus minimizing the noise level.

In addition, 2.5" hard drives have reduced vibration, increased MTBF (mean time before failure), and shock tolerance. It not only extends hard drive's lifespan, but also provides better reliability.

Multimedia & Entertainment

Synology Download Station 2 functions as a 24x7 BitTorrent, FTP, HTTP, eMule, and NZB download center. The newly-integrated eMule download engine allows search-n-download capability with a web-browser without installing additional desktop applications.

Synology Audio Station supports music, Internet radio stations, and iPod playback with connected USB speakers. An optional direction-free Synology Remote allows you to freely enjoy your music. Web-streaming mode allows your music to be shared with multiple users over the Internet.

UPnP support allows users to stream multimedia files with an UPnP Digital Media Adapter (DMA) on a stereo system or a TV-set. Sony PS3 and Microsoft Xbox360 are also supported.

iTunes Server is an easy way to share music to other iTunes clients over the network. Password protection prevents unauthorized sharing.

Easy Storage & Backup

USBCopy provides a plug-n-save solution to store data. With just one touch on the Copy button, it quickly backs up the data on an USB storage device to the pre-defined location on the DS409slim.

Synology Data Replicator 3 allows Windows users to back up desktop data to the DS409slim. Users can select immediate, sync, or scheduled backup according to their needs.

The Network Recycle Bin ensures all deleted files are recoverable from the recycle bin.

Internet Sharing

Synology Photo Station 3 simplifies photo, video, and blog sharing over the Internet. Customized themes and various selections are available for personalization. The Cooliris support delivers a dazzling 3D photo browsing effect.

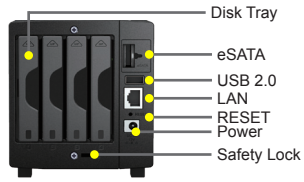
Eco Friendly

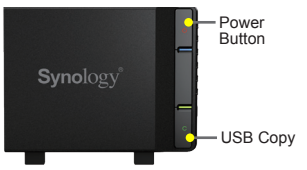
Synology DiskStation is designed and developed perpetually with the concept of energy saving. Compared with average PC counterparts, Synology DiskStation consumes a relatively low amount of power and hibernates when not in use. This not only helps to save energy but also extends the lifespan of the hard disk.

Synology DiskStation truly earns the title of "green product" because of the unique Scheduled Power On/Off feature.

Finally, all Synology products are produced with RoHS compliant parts and packed with recyclable packing materials. Synology recognizes its responsibility as a global citizen and is continually working to reduce the environmental impact of the products we create.

CONNECTIONS & BUTTONS





Technical Specifications

Hardware

- CPU Frequency: 1.2GHz
- Memory Bus: 16bit@DDR800
- Memory: 128MB
- Internal HDD[1]: 2.5" SATA(II)/SSD X4
- Max Internal Capacity: 3TB (4x 750GB hard drives)*
- Size (HxWxD): 120mm X 105mm X 142mm
- External HDD Interface: USB 2.0 port X2, eSATA port X1
- Weight: 0.66kg
- LAN: Gigabit X1
- Wireless Support
- Noise Level (fan-only)[2]: 21.1 dB(A)
- Power Recovery
- AC Input Power Voltage: 100V to 240V
- Power Frequency: 50Hz to 60Hz, Single Phase
- Power Consumption[3]: 19W(Access); 12W(HDD Hibernation)
- Operating Temperature: 5°C to 35°C (40°F to 95°F)
- Storage Temperature: -10°C to 70°C (15°F to 155°F)
- Relative Humidity: 5% to 95%RH
- Maximum Operating Altitude: 10,000 feet
- Certification: FCC Class B, CE Class B, BSMI Class B

Applications

File Station 3

FTP Server
- Bandwidth Control
- Custom FTP Passive Port Range
- Anonymous FTP
- Transfer Log

Web Station
- Virtual Host (up to 30 websites)
- PHP/MySQL
- Alternative HTTP Error Page
- 3rd-Party Applications Support

Surveillance Station 4
- Default IP cam #: 1
- MAX IP cam # (licenses required): 8[4]

Photo Station 4
- Supported Image Format: BMP, JPG (jpe, jpeg), GIF, RAW (arw, srf, sr2, dcr, k25, kdc, cr2, crw, nef, mrw, ptx, pef, raf, 3fr, erf, mef, mos, orf, rw2, dng, x3f)
- Supported Video Format: 3G2, 3GP, ASF, AVI, DAT, DivX, FLV, M4V, MOV, MP4, MPEG, MPG, QT, WMV, XviD, RM[5], RMVB[5], VOB[5], RV30[5], RV40[5], AC3[5], AMR[5], WMA3[5]

Download Station 2
- Supported Download Protocols: BT/HTTP/FTP/NZB/eMule
- Custom BitTorrent Port Range
- BitTorrent / eMule Bandwidth Control

Audio Station 2
- Supported Audio Format: (USB Mode) AAC, FLAC, M4A, MP3, Ogg Vorbis, WMA, WMA VBR; (Streaming Mode) MP3, M4A, M4B
- Supported Playlist Format: M3U, WPL
- Internet Radio: SHOUTcast, Radioio

DLNA/UPnP Media Server
- PS3/Xbox 360 Support
- Supported Audio Format: AAC, FLAC, M4A, MP3, Ogg Vorbis, PCM, WAV, WMA, WMA VBR, WMA PRO, WMA Lossless
- Supported Video Format: 3GP, 3G2, ASF, AVI, DAT, DivX, DVR-MS, ISO, M2T, M2TS, M4V, MKV, MP4, MPEG1, MPEG2, MPEG4, MTS, MOV, QT, SWF, TP, TRP, TS, VOB, WMV, XviD, RV30, RV40, AC3, AMR, WMA3
- Supported Image Format: BMP, JPG (jpe, jpeg), GIF, ICO, PNG, PSD, TIF (tiff), UFO, RAW (arw, srf, sr2, dcr, k25, kdc, cr2, crw, nef, mrw, ptx, pef, raf, 3fr, erf, mef, mos, orf, rw2, dng, x3f)
- Supported Subtitles Format: srt, psb, smi, ass, ssa, sub, idx, ifo

iTunes Server
- Supported Audio Format: MP3, M4A, M4P, WAV6, AIF6
- Supported Video Format: M4V, MOV, MP4
- Supported Playlist Format: M3U, WPL

Printer Server[7]
- Max Printer #: 2
- Printing Protocols: LPR, CIFS, AppleTalk

Synology Packages
- SqueezeCenter
- Mail Station
- Webalizer
- phpMyAdmin

iPhone Applications
- DS photo
- DS audio
- DS cam

General Specifications

Networking Protocols
- CIFS, AFP, FTP, iSCSI, Telnet, SSH, NFS, SNMP

File System
- EXT3
- FAT32 (External Disk Only)[8]
- NTFS (External Disk Only)[8]

Volume Management
- Synology Hybrid RAID
- iSCSI Target (Max size: 16TB):10
- Volume Type: Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 5+Spare, RAID 6, RAID 10
- RAID Migration: from Basic to RAID 1, Basic to RAID 5, Basic to RAID 5+Spare, RAID 1 to RAID 5, RAID 1 to RAID 5+Spare, RAID 5 to RAID 5+Spare, RAID 5 to RAID 6
- Expand RAID 1, RAID 5, RAID 5+Spare or RAID 6 with Larger Hard Drives
- Expand RAID 5 by Adding a Hard Drive On The Fly

File Sharing Capability
- Max User Accounts: 1,024
- Max Groups: 128
- Max Shared Folder: 256
- Max Concurrent Connections(SAMBA, FTP, AFP): 64

Windows ADS Domain Integration
- Domain Users login via Samba/AFP/FTP/File Station

Backup Solutions
- Network Backup
- Local Backup
- Computer Backup
- Time Machine Backup (Mac)

Security
- FTP over SSL/TLS
- IP Auto-Block
- Firewall
- Encrypted Network Backup over Rsync
- HTTPS Connection

Management
- Firmware Upgrade
- Email Notification
- SMS Notification
- Customized User Quota
- DDNS Support
- PPPoE
- Resource Monitor
- UPS Management
- Scheduled Power Off
- Custom Management UI HTTP/HTTPS Ports
- System Temperature Display

HDD Management
- HDD Hibernation
- S.M.A.R.T.
- Dynamic Bad Sector Mapping

Utilities
- Synology Assistant
- Synology Download Redirector
- Synology Data Replicator 3

Supported Clients
- Windows 2000 onward
- Mac OSX 10.3 onward
- Linux

Supported Browsers
- Internet Explorer 7
- Internet Explorer 8
- Firefox 3
- Firefox 3.5
- Safari 3 (Mac)
- Safari 4 (Mac)

Supported Mobile Devices (Photo Station, File Station)
- iPhone OS 2.2.1 onward
- Windows Mobile (IE Mobile or Opera 9.0 onward)
- Symbian OS 9.1, S60 3rd Edition onward

Environment and Packaging

Environment
- RoHS Compliant

Package Content
- Main Unit
- Installatin CD
- Assembling Kit
- AC Power Adapter
- 2M RJ-45 LAN Cable

Optional Accessories
- Remote
- Camera License Pack

1. Hard drive not included.
2. Fully loaded with Seagate 1TB ST31000520AS hard drive(s) in operation; Two G.R.A.S. Type 40AE microphones, each set up at 1 meter away from the DiskStation front and rear; Background noise: 17.2 dB(A); Temperature: 23.6°C; Humidity: 58.2%; More details about dB(A) value, check http://www.quietnoise.com/facts.htm
3. Measured with 4 Seagate 320GB ST9320325AS hard drive. The figures could vary on different environments.
4. 1 free license to install 1 IP camera. Additional licenses can be purchased to expand the license quota.
5. User can click and download the file, but not play it in Photo Station as compressed Flash video.
6. The music can be streamed, but the metadata (ex: title, album) may not be indexed on the iTunes.
7. For Mac users, DS410slim supports PostScript USB printers only.
8. Primary partion only.

* The actual capacity will differ according to volume types.

SYNOLOGY INC.

Founded in 2000, Synology is a young and energetic company dedicated to developing high-performance, reliable, versatile, and environmentally-friendly Network Attached Storage (NAS) server products. Our goal is to deliver user-friendly solutions and solid customer service to satisfy the needs of businesses, home offices, individual users and families.

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Networking